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OM protein - protein search, using sw model

Run on: August 24, 2005, 15:27:55 ; Search time 0.001 Seconds  
(without alignments)  
910.328 Million cell updates/sec

Title: US-09-997-641-387  
Perfect score: 1102  
Sequence: 1 MLMLFLFLVTAIHAELCPG.....ENGIPSDPLDMKGGILMMP 212

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 20 seqs, 4294 residues

Total number of hits satisfying chosen parameters: 20

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 30 summaries

Database : targetseq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1073	97.4	222	1	TOIG of: abr01796
2	1073	97.4	222	1	TOIG of: adal1613
3	1073	97.4	222	1	TOIG of: ada4083
4	1073	97.4	222	1	TOIG of: ada5698
5	1073	97.4	222	1	TOIG of: add3790
6	1073	97.4	222	1	TOIG of: abr01796
7	1073	97.4	222	1	TOIG of: adal1613
8	1073	97.4	222	1	TOIG of: ada4083
9	1073	97.4	222	1	TOIG of: ada5698
10	1073	97.4	222	1	TOIG of: add3790
11	1070	97.1	222	1	TOIG of: aaw29670
12	1070	97.1	222	1	TOIG of: aaw29670
13	1066	96.7	222	1	TOIG of: adal1757
14	1066	96.7	222	1	TOIG of: adal1757
15	1066	96.7	223	1	TOIG of: aay76135
16	1066	96.7	223	1	TOIG of: aay76135
17	1048	95.1	222	1	TOIG of: aay04156
18	1048	95.1	222	1	TOIG of: aay04156
19	31.5	2.9	148	1	TOIG of: aab88580
20	31.5	2.9	148	1	TOIG of: aab88580

ALIGNMENTS

RESULT 1  
abr01796  
; TOIG of: abr01796 check: 7328 from: 1 to: 222  
; ID ABR01796 standard; protein; 222 AA.  
; XX  
; AC ABR01796;  
; XX

DT 19-MAY-2003 (first entry)  
; DE Human cancer-related protein, 156P1d4.  
; XX  
; XX Human; cytostatic; vaccine; cancer; immune response.  
; XX  
; OS Homo sapiens.  
; PN WO200263921-A2.  
; XX  
; PD 24-OCT-2002.  
; XX  
; PF 10-APR-2002; 2002WO-US011654.  
; XX  
; PR 10-APR-2001; 2001US-0282739P.  
; PR 10-APR-2001; 2001US-0283112P.  
; PR 25-APR-2001; 2001US-0286630P.  
; XX  
; PA (AGEN-) AGENSYS INC.  
; XX  
; PI Jakobovits A, Challita-Eid PM, Faris M, Ge W, Hubert RS;  
; PI Morrison K, Morrison RK, Raitano AB;  
; XX  
; DR WPI; 2003-075555/07.  
; DR N-PSDB; AB278127.  
; XX  
; PS New composition comprising a substance that modulates the structure of  
; PT proteins and polynucleotides, useful for therapeutic, prognostic and  
; PT diagnostic reagents for eliciting cellular or humoral immune response in  
; PT cancer patients.  
; XX  
; PS Claim 12; Fig 2G; 1021pp; English.  
; XX  
; CC The present invention relates to novel human cancer-related genes and  
; CC proteins (AB278120-AB278168 and ABR01789-ABR01861). The genes and  
; CC proteins are useful for eliciting a humoral or cellular immune response.  
; CC The genes are useful as probes and primers for the amplification and/or  
; CC detection of genes, mRNAs or their fragments, as reagents for the  
; CC diagnosis and/or prognosis of cancer, as coding sequences capable of  
; CC directing the expression of the protein, as tools for modulating or  
; CC inhibiting the expression of genes and/or translation of transcripts, and  
; CC as therapeutic agents. The proteins and peptides are useful as  
; CC therapeutic, prognostic and diagnostic reagents for cancer  
; XX  
; SQ Sequence 222 AA;  
; ABR01796 Length: 222 August 24, 2005 15:15 Type: P Check: 7328 ..  
abr01796  
Query Match 97.4%; Score 1073; DB 1; Length 222;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MLMLFLFLVTAIHAELCPGAEAFKRLSIRTAGDKAYAMDINEEYLFKAWAFSMRK 60  
Db 1 MLMLFLFLVTAIHAELCPGAEAFKRLSIRTAGDKAYAMDINEEYLFKAWAFSMRK 60  
QY 61 VPNRKATEISHVLLCANTQKVSFWFVVTDPSSKHHTLPAAVEQSAIRNNKRIINNAFLND 120  
Db 61 VPNRKATEISHVLLCANTQKVSFWFVVTDPSSKHHTLPAAVEQSAIRNNKRIINNAFLND 120  
QY 121 QTFLEFLKIPSTLAPPMDSVPYIWIIFGVIFCIIVAIALLISGIWQRKKEPSEVD 180  
Db 121 QTFLEFLKIPSTLAPPMDSVPYIWIIFGVIFCIIVAIALLISGIWQRKKEPSEVD 180  
QY 181 DABDKCENMTIENGIPSDPLDMKGG 206  
Db 181 DABDKCENMTIENGIPSDPLDMKGG 206  
RESULT 2  
adal1613  
; TOIG of: adal1613 check: 7328 from: 1 to: 222

ADAL1613 standard; protein; 222 AA.  
ADAL1613;  
06-NOV-2003 (first entry)  
Human novel secreted protein, SEQ ID NO 141.  
cancer; inflammation; immune disorder; neurological disorder;  
blood clotting disorder; food additive; food preservative;  
storage capability; fat content; nutritional component; human;  
secreted protein.  
Homo sapiens.  
US2003055236-A1.  
20-MAR-2003.  
14-MAR-2002; 2002US-00097065.  
18-DEC-1997; 97US-0068006P.  
18-DEC-1997; 97US-0068007P.  
18-DEC-1997; 97US-0068008P.  
18-DEC-1997; 97US-00680053P.  
18-DEC-1997; 97US-00680054P.  
18-DEC-1997; 97US-0068057P.  
18-DEC-1997; 97US-0068064P.  
18-DEC-1997; 97US-0070923P.  
19-DEC-1997; 97US-0068169P.  
19-DEC-1997; 97US-0068165P.  
19-DEC-1997; 97US-0068367P.  
19-DEC-1997; 97US-0068368P.  
19-DEC-1997; 97US-0068369P.  
17-DEC-1998; 96WO-US027055.  
17-JUN-1999; 99US-00334595.  
(HUMA-) HUMAN GENOME SCI INC.  
Moore PA, Ruben SM, Carter KC, Shi Y, Rosen CA, Soppet DR,  
Kyaw H, Wei Y, Florence KA, Duan DR, Florence C, Greene JM, Feng P,  
Ferrete AM, Yu G, Yanat F, Ni J;  
WPI: 2003-567105/53.  
N-PSDB; ADAL1489.  
New secreted HXAET24 nucleic acid molecules and polypeptides, useful for  
preventing, treating, or ameliorating a medical condition, such as  
cancer, inflammation, immune disorders, neurological and blood clotting  
disorders.  
Claim 11; SEQ ID NO 141, 118pp; English.  
The invention relates to an isolated HXAET24 nucleic acid molecule. The  
polypeptides, nucleic acids and antibodies are useful for diagnosing a  
pathological condition or a susceptibility to a pathological condition,  
for preventing, treating, or ameliorating a medical condition, such as  
cancer, inflammation and other immune disorders, neurological and blood  
clotting disorders. The nucleic acids are also useful for chromosome  
identification, radiation hybrid mapping or long-range restriction  
mapping. The polypeptides and antibodies are useful for providing  
immunological probes for differential identification of the tissues  
immunohistochemistry assays. The polypeptide, polynucleotide, agonist or  
antagonist may also be used as a food additive or preservative to  
increase or decrease storage capabilities, fat content or other  
nutritional components. The present sequence represents the amino acid  
sequence of a novel human secreted protein. Note: The sequence data for  
this patent did not form part of the printed specification but was  
obtained in electronic format directly from USPTO at  
segdata.uspto.gov.uk/sequence.html?DocID=20030055236.  
Sequence 222 AA;

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/ ADAL1613 Length: 222 August 24, 2005 15:16 Type: P Check: 7328 ..
adal1613

Query Match          97.4%; Score 1073; DB 1; Length 222;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MLMLFFLVNVAIAHELQPGAEVNAFKRLSIRPLTGDKAVAMPDNEEYLTKAVAVAFSMRK 60
   |||||
DB 1 MLMLFFLVNVAIAHELQPGAEVNAFKRLSIRPLTGDKAVAMPDNEEYLTKAVAVAFSMRK 60
OY 61 VPNEKATEISHVLICANTQORVSFEFVVTDSKNHTLPAYVQSAIRNKKRINNAPFLND 120
   |||||
DB 61 VPNEKATEISHVLICANTQORVSFEFVVTDSKNHTLPAYVQSAIRNKKRINNAPFLND 120
OY 121 QTEFFLKIPSTLAPPMDSVPVIMIIIFGVICIIIVAIALLISGIWRRRKNKEPSVD 180
   |||||
DB 121 QTEFFLKIPSTLAPPMDSVPVIMIIIFGVICIIIVAIALLISGIWRRRKNKEPSVD 180
OY 181 DAEDKCNMTTIENGIPSDPLDMKGG 206
   |||||
DB 181 DAEDKCNMTTIENGIPSDPLDMKGG 206

RESULT 3
ada40837
/ TOIG of: ada40837 check: 7328 from: 1 to: 222
/ ID ADA40837 standard; protein; 222 AA.
/ XX
AC ADA40837;
/ XX
DT 20-NOV-2003 (first entry)
/ XX
DE Human secreted protein.
/ DE
KW Human; secreted protein; cancer; hyperproliferative disorder;
KW Rheumatoid arthritis; autoimmune disorder; haematopoietic disorder;
KW anaemia; allergic reaction; asthma; cardiovascular disorder;
KW wound healing; cytostatic; immunosuppressive; nootropic; neuroprotective
KW antiviral; anti-allergic; hepatotropic; antidiabetic; anti-inflammatory;
KW vulnery; cardiant; gene therapy.
/ KW
/ XX
OS Homo sapiens.
/ OS
PN WO2002102993-A2.
/ PN
XX 27-DEC-2002.
/ XX
PD 19-MAR-2002; 2002WO-US008123.
/ PD
XX 21-MAR-2001; 2001US-0277340P.
/ XX
PR 19-JUL-2001; 2001US-0306171P.
/ PR
PR 13-NOV-2001; 2001US-0331287P.
/ PR
XX (HUMA-) HUMAN GENOME SCI INC.
/ XX
XX
PI Rosen CA, Ruben SM;
/ PI
XX WPI, 2003-175238/17.
/ XX
XX
PT New human secreted proteins and nucleic acid molecules, useful for
PT preparing a diagnostic or pharmaceutical composition for diagnosing,
PT preventing or treating cancer or other hyperproliferative disorder,
PT asthma, allergies or AIDS.
/ PT
XX
PS Claim 1, SEQ ID NO 1219, 3205BP, English.
/ PS
XX
CC The invention relates to novel genes ADA39629-ADA40565 and proteins
CC ADA40566-ADA41501 for human secreted proteins, useful for preventing,
CC treating or ameliorating medical conditions e.g. by protein or gene
CC therapy. The polypeptides, nucleic acid molecules, antibodies or their

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OS Homo sapiens.
XX
XX WO20021023994-A2.
XX
XX
XX 27-DEC-2002.
XX
XX 19-MAR-2002; 2002WO-US008278.
XX
XX 21-MAR-2001; 2001US-0277340P.
XX
XX 19-JUL-2001; 2001US-0306171P.
XX
XX 13-NOV-2001; 2001US-0331287P.
XX
XX (HUMA-) HUMAN GENOME SCL INC.
XX
XX Rosen CA, Ruben SM;
XX
XX WPI: 2003-167512/16.
XX
XX DR N-PSDB; ADA56090.
XX
XX
XX New human secreted polypeptides and polynucleotides, useful for
XX PT diagnosing, treating or preventing e.g. immune disorders, inflammatory
XX PT conditions, respiratory disorders, cancers, CNS disorders, or
XX PT neurodegenerative disorders.
XX
XX
XX Claim 13; SEQ ID NO 1176; 1754pp; English.
XX
XX
XX The invention relates to 592 new human secreted polypeptides useful for
XX CC diagnosing, treating or preventing e.g. immune disorders, inflammatory
XX CC conditions, respiratory disorders, cancers, CNS disorders, or
XX CC neurodegenerative disorders, or polypeptides comprising an amino acid
XX CC sequence at least 95% identical to the new sequences. The polypeptides,
XX CC antibodies or antibody fragments that bind to the polypeptides, nucleic
XX CC acids encoding the polypeptides, agonists or antagonists that binds to
XX CC the polypeptide, are useful in preparing diagnostic or pharmaceutical
XX CC compositions for diagnosing, treating or preventing an e.g. immune
XX CC disorders, inflammatory conditions (e.g. inflammatory bowel disease,
XX CC nephritis or Crohn's disease), respiratory disorders (e.g. asthma and
XX CC allergy), cancers (e.g. gastric, ovarian or lung cancer), CNS disorders
XX CC (e.g. multiple sclerosis or ischemic brain injury), neurodegenerative
XX CC disorders (e.g. Parkinson's disease or Alzheimer's disease), and
XX CC cardiovascular disorders (e.g. atherosclerosis or myocarditis). The
XX CC polynucleotides are useful for chromosome identification, chromosome
XX CC mapping, for controlling gene expression through triple helix formation
XX CC or antisense DNA or RNA, in gene therapy, for identifying individuals
XX CC from minute biological samples, in forensic biology, and as hybridization
XX CC probes. The polypeptides are useful for as molecular weight markers on
XX CC sodium dodecyl sulfate-polyacrylamide gel electrophoresis (SDS-PAGE)
XX CC gels, to raise antibodies, for testing biological activities, and for
XX CC treating or preventing neural disorders, immune system disorders,
XX CC muscular, reproductive, gastrointestinal, pulmonary, cardiovascular,
XX CC renal, proliferative and/or cancerous diseases. This sequence corresponds
XX CC to one of the polypeptide of the invention. Note: The sequence data for
XX CC in electronic format directly from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences.
XX
XX
XX Sequence 222 AA;
XX
XX
XX ADAS6986 Length: 222 August 24, 2005 15:15 Type: P Check: 7328 ..
XX adas6986
XX
XX Query Match 97.4%; Score 1073; DB 1; Length 222;
XX
XX Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX
XX 1 MLWLFLVTAIAHAEIQPGAEANAFKRLRSIRTAGDKAYAWDTNEEYLFKAMVAFSMRK 60
XX
XX Db 1 MLWLFLVTAIAHAEIQPGAEANAFKRLRSIRTAGDKAYAWDTNEEYLFKAMVAFSMRK 60
XX
XX
XX 61 VPPNREARIEISHVLLCNVTQRFVFWFVPTVDPSSKXHTLPAVENQSATRMNNRINNAFFLND 120
XX
XX Db 61 VPPNREARIEISHVLLCNVTQRFVFWFVPTVDPSSKXHTLPAVENQSATRMNNRINNAFFLND 120

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QY      121 QTEFLKIPSTLAPMDPSVPIWIIIFGVIFCIIIVAILLISGIMQRRRKKEPSEVD 180
Db      121 QTEFLKIPSTLAPMDPSVPIWIIIFGVIFCIIIVAILLISGIMQRRRKKEPSEVD 180
QY      181 DAEDKCNMTTIENGIPSDPLDMKGG 206
Db      181 DAEDKCNMTTIENGIPSDPLDMKGG 206

RESULT 5
add37902
TOIG of: add37902 check: 7328 from: 1 to: 222
ID      ADD37902 standard; protein; 222 AA.
AC      ADD37902;
XX      15-JAN-2004 (first entry)
DT      Human secreted protein #85.
XX      Human secreted protein; Antiallergic; Antiinflammatory; Antibacterial;
KW      Anti-HIV; Cytostatic; Immunosuppressive; Hemostatic.
XX      Homo sapiens.
OS      WO200290526-A2.
XX      14-NOV-2002.
XX      19-MAR-2002; 2002WO-US008279.
XX      21-MAR-2001; 2001US-0277340P.
PR      19-JUL-2001; 2001US-0306171P.
PR      13-NOV-2001; 2001US-0331287P.
XX      (HUMA-) HUMAN GENOME SCI INC.
XX      Rosen CA, Ruben SM;
XX      WPI, 2003-140218/13.
XX      New human secreted proteins and nucleic acid molecules, useful for
PT      preparing a diagnostic or pharmaceutical composition for diagnosing or
PT      treating allergic or asthmatic disorders, or related immediate
PT      hypersensitivity disorders.
XX      Claim 1; SEQ ID NO 384; 1323pp; English.
XX      The present invention relates to an isolated polypeptide or human
CC      secreted protein. The polypeptides, nucleic acid molecules, antibodies or
CC      their fragments, and agonists or antagonists that bind are useful for
CC      preparing a diagnostic or pharmaceutical composition for diagnosing or
CC      treating allergic or asthmatic disorders. The polypeptide is also useful
CC      for identifying a binding partner by contacting the polypeptide with a
CC      binding partner, and determining whether the binding partner increases or
CC      decreases the activity of the polypeptide. The polypeptides and nucleic
CC      acid molecules are also useful for detecting, preventing, diagnosing,
CC      prognosticating, treating or ameliorating inflammatory disorders,
CC      neoplastic diseases, wound healing and disorders of epithelial cell
CC      proliferation, immune disorders, cardiovascular disorders, blood-related
CC      disorders, infectious diseases, endocrine disorders, or gastrointestinal
CC      disorders. The nucleic acids are also useful for chromosome
CC      identification, radiation hybrid mapping or long-range restriction
CC      mapping, as molecular weight markers, or as hybridization or diagnostic
CC      probes. The polypeptides and antibodies are useful for providing
CC      immunological probes for differential identification of the tissues
CC      immunohistochemistry assays. The present sequence represents a human
CC      secreted protein.
XX      Sequence 222 AA;
AD037902 Length: 222 August 24, 2005 15:16 Type: P Check: 7328 ..

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add37902
Query Match      97.4%; Score 1073; DB 1; Length 222;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MWLFFFLVTAIHAELCOGPAENAFVRLSIRTLADGKAYAMDTNEEYLFKAVAFSMRK 60
Db      1 MWLFFFLVTAIHAELCOGPAENAFVRLSIRTLADGKAYAMDTNEEYLFKAVAFSMRK 60
QY      61 VPRREATEISHVLLCNVTRQVSWFVYVTPSPKXHTLPAYEVQSAIFMKNKRIINAFPLND 120
Db      61 VPRREATEISHVLLCNVTRQVSWFVYVTPSPKXHTLPAYEVQSAIFMKNKRIINAFPLND 120
QY      121 QTEFLKIPSTLAPMDPSVPIWIIIFGVIFCIIIVAILLISGIMQRRRKKEPSEVD 180
Db      121 QTEFLKIPSTLAPMDPSVPIWIIIFGVIFCIIIVAILLISGIMQRRRKKEPSEVD 180
QY      181 DAEDKCNMTTIENGIPSDPLDMKGG 206
Db      181 DAEDKCNMTTIENGIPSDPLDMKGG 206

RESULT 6
abro1796
TOIG of: abro1796 check: 7328 from: 1 to: 222
ID      ABR01796 standard; protein; 222 AA.
XX      ABR01796;
XX      19-MAY-2003 (first entry)
DT      Human cancer-related protein, 156P1D4.
XX      Human cancer-related protein; vaccine; cancer; immune response.
XX      Human; cytostatic; vaccine; cancer; immune response.
XX      Homo sapiens.
XX      WO200283921-A2.
XX      24-OCT-2002.
XX      10-APR-2002; 2002WO-US011654.
XX      10-APR-2001; 2001US-0282739P.
PR      10-APR-2001; 2001US-0283112P.
PR      25-APR-2001; 2001US-0286630P.
XX      (AGEN-) AGENSYS INC.
XX      Jakobovits A, Challita-Eid PM, Faris M, Ge W, Hubert RS;
XX      Morrison K, Morrison RK, Raitano AB;
XX      WPI, 2003-075555/07.
XX      N-PSDB; ABZ78127.
XX      Claim 12; Fig 2c; 1021pp; English.
XX      The present invention relates to novel human cancer-related genes and
CC      proteins (ABZ78120-ABZ78158 and ABR01789-ABR01861). The genes and
CC      proteins are useful for eliciting a humoral or cellular immune response.
CC      The genes are useful as probes and primers for the amplification and/or
CC      detection of genes, mRNAs or their fragments, as reagents for the
CC      diagnosis and/or prognosis of cancer, as coding sequences capable of
CC      directing the expression of the protein, as tools for modulating or
CC      inhibiting the expression of genes and/or translation of transcripts, and
CC      as therapeutic agents. The proteins and peptides are useful as

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CC therapeutic, prognostic and diagnostic reagents for cancer
XX
SQ Sequence 222 AA;
ABR01796 Length: 222 August 24, 2005 15:15 Type: P Check: 7328
abR01796
Query Match 97.4%; Score 1073; DB 1; Length 222;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLWLLFLVTAIAHAELCPGAENAFKRLSIRALGDKAVAMDNEEYLFKAWAFSMRK 60
DB 1 MLWLLFLVTAIAHAELCPGAENAFKRLSIRALGDKAVAMDNEEYLFKAWAFSMRK 60
QY 61 VPRNREATEISHVLLCNTQVRSFVFVTDPSKNTLPAVEVQSALRNKRNINNAFFLND 120
DB 61 VPRNREATEISHVLLCNTQVRSFVFVTDPSKNTLPAVEVQSALRNKRNINNAFFLND 120
QY 121 QTLBFLKIPSTLAPPMDSVPVWIIIFGVIFCIIVAAIALIISGIWQRKKEPSEVD 180
DB 121 QTLBFLKIPSTLAPPMDSVPVWIIIFGVIFCIIVAAIALIISGIWQRKKEPSEVD 180
QY 181 DAEDKCNMTITENGIPSDPLDMKGG 206
DB 181 DAEDKCNMTITENGIPSDPLDMKGG 206

RESULT 7
ada11613
TOIG of: ada11613 check: 7328 from: 1 to: 222

ID ADA11613 standard; protein; 222 AA.
XX
AC ADA11613;
XX
DT 06-NOV-2003 (first entry)
XX
DE Human novel secreted protein, SEQ ID NO 141.
XX
KW Cancer; inflammation; immune disorder; neurological disorder;
KW blood clotting disorder; food additive; food preservative;
KW storage capability; fat content; nutritional component; human;
KW secreted protein.
XX
OS Homo sapiens.
XX
PN US2003055236-A1.
XX
PD 20-MAR-2003.
XX
PF 14-MAR-2002; 2002US-00097065.
XX
PR 18-DEC-1997; 97US-0068006P.
PR 18-DEC-1997; 97US-0068007P.
PR 18-DEC-1997; 97US-0068008P.
PR 18-DEC-1997; 97US-0068053P.
PR 18-DEC-1997; 97US-0068054P.
PR 18-DEC-1997; 97US-0068057P.
PR 18-DEC-1997; 97US-0068064P.
PR 18-DEC-1997; 97US-0070923P.
PR 18-DEC-1997; 97US-0068169P.
PR 19-DEC-1997; 97US-0068365P.
PR 19-DEC-1997; 97US-0068367P.
PR 19-DEC-1997; 97US-0068368P.
PR 19-DEC-1997; 97US-0068369P.
PR 17-DEC-1998; 98WO-US027059.
PR 17-JUN-1999; 99US-00334595.
XX
XX (HUMA-) HUMAN GENOME SCI INC.
PA
XX
PI Moore PA, Ruben SM, Carter KC, Shi Y, Rosen CA, Soppet DR,
Kyaw H, Wei Y, Florence KA, Duan DR, Florence C, Greene JM, Feng P;
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PI Ferrie AM, Yu G, Janat F, Ni J;
XX
XX WPI; 2003-567105/53.
DR N-PSDB; ADA11489.
XX
XX New secreted HKABT24 nucleic acid molecules and polypeptides, useful for
PT preventing, treating, or ameliorating a medical condition, such as
PT cancer, inflammation, immune disorders, neurological and blood clotting
PT disorders.
XX
PS Claim 11; SEQ ID NO 141; 118bp; English.
XX
XX The invention relates to an isolated HKABT24 nucleic acid molecule. The
XX polypeptides, nucleic acids and antibodies are useful for diagnosing a
XX pathological condition or a susceptibility to a pathological condition,
XX for preventing, treating, or ameliorating a medical condition, such as
XX cancer, inflammation and other immune disorders, neurological and blood
XX clotting disorders. The nucleic acids are also useful for chromosome
XX identification, radiation hybrid mapping or long-range restriction
XX mapping. The polypeptides and antibodies are useful for providing
XX immunological probes for differential identification of the tissues
XX immunohistochemistry assays. The polypeptide, polynucleotide, agonist or
XX antagonist may also be used as a food additive or preservative to
XX increase or decrease storage capabilities, fat content or other
XX nutritional components. The present sequence represents the amino acid
XX sequence of a novel human secreted protein. Note: The sequence data for
XX this patent did not form part of the printed specification but was
XX obtained in electronic format directly from USPTO at
XX seqdata.uspto.gov.uk/sequence.html?DocID=20030055236.
XX
SQ Sequence 222 AA;
ADA11613 Length: 222 August 24, 2005 15:16 Type: P Check: 7328
ada11613
Query Match 97.4%; Score 1073; DB 1; Length 222;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLWLLFLVTAIAHAELCPGAENAFKRLSIRALGDKAVAMDNEEYLFKAWAFSMRK 60
DB 1 MLWLLFLVTAIAHAELCPGAENAFKRLSIRALGDKAVAMDNEEYLFKAWAFSMRK 60
QY 61 VPRNREATEISHVLLCNTQVRSFVFVTDPSKNTLPAVEVQSALRNKRNINNAFFLND 120
DB 61 VPRNREATEISHVLLCNTQVRSFVFVTDPSKNTLPAVEVQSALRNKRNINNAFFLND 120
QY 121 QTLBFLKIPSTLAPPMDSVPVWIIIFGVIFCIIVAAIALIISGIWQRKKEPSEVD 180
DB 121 QTLBFLKIPSTLAPPMDSVPVWIIIFGVIFCIIVAAIALIISGIWQRKKEPSEVD 180
QY 181 DAEDKCNMTITENGIPSDPLDMKGG 206
DB 181 DAEDKCNMTITENGIPSDPLDMKGG 206

RESULT 8
ada40837
TOIG of: ada40837 check: 7328 from: 1 to: 222

ID ADA40837 standard; protein; 222 AA.
XX
AC ADA40837;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human secreted protein.
XX
KW Human; secreted protein; cancer; hyperproliferative disorder;
KW rheumatoid arthritis; autoimmune disorder; haematopoietic disorder;
KW anaemia; allergic reaction; asthma; cardiovascular disorder;
KW wound healing; cytostatic; immunosuppressive; nootropic; neuroprotective;
KW antiviral; antiallergic; hepatotropic; antidiabetic; antiinflammatory;
```



```
CC mapping, for controlling gene expression through triple helix formation
CC or antisense DNA or RNA, in gene therapy, for identifying individuals
CC from minute biological samples, in forensic biology, and as hybridization
CC probes. The polypeptides are useful for as molecular weight markers on
CC sodium dodecyl sulfate-polyacrylamide gel electrophoresis (SDS-PAGE)
CC gels, to raise antibodies, for testing biological activities, and for
CC treating or preventing neural disorders, immune system disorders,
CC muscular, reproductive, gastrointestinal, pulmonary, cardiovascular,
CC renal, proliferative and/or cancerous diseases. This sequence corresponds
CC to one of the polypeptide of the invention. Note: The sequence data for
CC this patent did form part of the printed specification, but was obtained
CC in electronic format directly from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences.
CC
XX
SQ Sequence 222 AA;
ADA56986 Length: 222 August 24, 2005 15:15 Type: P Check: 7328 ..
ada56986
Query Match          97.4%; Score 1073; DB 1; Length 222;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLMLFFLVTAIHAEICQPGAENAFKVRLSIRTAGDKKAYAMDNEBYLFKAVAFSMRK 60
Db 1 MLMLFFLVTAIHAEICQPGAENAFKVRLSIRTAGDKKAYAMDNEBYLFKAVAFSMRK 60
QY 61 VPRNREATEISHVLICNVTORVSFVFVTTDPSKNHTLPAVEVQSAIRNNKRIINNAFFLND 120
Db 61 VPRNREATEISHVLICNVTORVSFVFVTTDPSKNHTLPAVEVQSAIRNNKRIINNAFFLND 120
QY 121 QTLEFLKIPSTLAPMPDPSVPIWIIIFGVIFCIITVAIALIISGIWQRRRKKEPSEVD 180
Db 121 QTLEFLKIPSTLAPMPDPSVPIWIIIFGVIFCIITVAIALIISGIWQRRRKKEPSEVD 180
QY 181 DAEDKCNMTTIENGIPSDPLDMKGG 206
Db 181 DAEDKCNMTTIENGIPSDPLDMKGG 206
RESULT 10
add37902
TOIG of: add37902 check: 7328 from: 1 to: 222
ID ADD37902 standard; protein; 222 AA.
AC ADD37902;
XX
DT 15-JAN-2004 (first entry)
XX
DE Human secreted protein #85.
XX
KW human secreted protein; Antiallergic; Antiinflammatory; Antibacterial;
KW Anti-HIV; Cytostatic; Immunosuppressive; Hemostatic.
XX
OS Homo sapiens.
XX
PN WO200290526-A2.
XX
PD 14-NOV-2002.
XX
PE 19-MAR-2002; 2002MO-US008279.
XX
PR 21-MAR-2001; 2001US-0277340P.
PR 19-JUL-2001; 2001US-0306171P.
PR 13-NOV-2001; 2001US-0331287P.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Rosen CA, Ruden SM,
XX
DR WPI, 2003-140218/13.
```

```
PT New human secreted proteins and nucleic acid molecules, useful for
PT preparing a diagnostic or pharmaceutical composition for diagnosing or
PT treating allergic or asthmatic disorders, or related immediate
PT hypersensitivity disorders.
XX
PS Claim 1; SEQ ID NO 384; 1323bp; English.
XX
XX
The present invention relates to an isolated polypeptide or human
secreted protein. The polypeptides, nucleic acid molecules, antibodies or
their fragments, and agonists or antagonists that bind are useful for
preparing a diagnostic or pharmaceutical composition for diagnosing or
treating allergic or asthmatic disorders. The polypeptide is also useful
for identifying a binding partner by contacting the polypeptide with a
binding partner, and determining whether the binding partner increases or
decreases the activity of the polypeptide. The polypeptides and nucleic
acid molecules are also useful for detecting, preventing, diagnosing,
prophylactic, treating or ameliorating inflammatory disorders
neoplastic diseases, wound healing and disorders of epithelial cell
proliferation, immune disorders, cardiovascular disorders, blood-related
disorders, infectious diseases, endocrine disorders, or gastrointestinal
disorders. The nucleic acids are also useful for chromosome
identification, radiation hybrid mapping or long-range restriction
mapping, as molecular weight markers, or as hybridization or diagnostic
probes. The polypeptides and antibodies are useful for providing
immunological probes for differential identification of the tissues
immunohistochemistry assays. The present sequence represents a human
secreted protein.
XX
SQ Sequence 222 AA;
ADD37902 Length: 222 August 24, 2005 15:16 Type: P Check: 7328 ..
add37902
Query Match          97.4%; Score 1073; DB 1; Length 222;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLMLFFLVTAIHAEICQPGAENAFKVRLSIRTAGDKKAYAMDNEBYLFKAVAFSMRK 60
Db 1 MLMLFFLVTAIHAEICQPGAENAFKVRLSIRTAGDKKAYAMDNEBYLFKAVAFSMRK 60
QY 61 VPRNREATEISHVLICNVTORVSFVFVTTDPSKNHTLPAVEVQSAIRNNKRIINNAFFLND 120
Db 61 VPRNREATEISHVLICNVTORVSFVFVTTDPSKNHTLPAVEVQSAIRNNKRIINNAFFLND 120
QY 121 QTLEFLKIPSTLAPMPDPSVPIWIIIFGVIFCIITVAIALIISGIWQRRRKKEPSEVD 180
Db 121 QTLEFLKIPSTLAPMPDPSVPIWIIIFGVIFCIITVAIALIISGIWQRRRKKEPSEVD 180
QY 181 DAEDKCNMTTIENGIPSDPLDMKGG 206
Db 181 DAEDKCNMTTIENGIPSDPLDMKGG 206
RESULT 11
aaw29670
TOIG of: aaw29670 check: 7368 from: 1 to: 222
ID AAW29670 standard; protein; 222 AA.
XX
AC AAW29670;
XX
DT 09-NOV-1998 (first entry)
XX
DE Homo sapiens clone AWA2_3 secreted protein.
XX
KW Clone; secreted protein.
XX
OS Homo sapiens.
XX
PI Key Location/Qualifiers
XX FH 2..14
XX FT Peptide
XX FT /note= "signal peptide"
```

```

/ XX      WO9832853-A2.
/ PN
/ XX      30-JUL-1998.
/ PD
/ XX
/ XX      23-JAN-1998; 98WO-US001396.
/ PF
/ XX      24-JAN-1997; 97US-00788789.
/ PR
/ XX      (GENY ) GENETICS INST INC.
/ PA
/ XX      Jacobs K, Mccoy JM, Lavallie ER, Racie LA, Merberg D, Treacy M;
/ PI      Spaulding V, Agostino MJ;
/ XX      WPI; 1998-427949/36.
/ DR      N-PSDB; AAV40540.
/ XX
/ PT      New isolated polynucleotide(s) and secreted proteins - isolated from
/ PT      human foetal kidney, adult brain, adult salivary gland, foetal brain and
/ PT      adult testes cDNA libraries.
/ XX
/ PS      Claim 15; Page 65-66; 109pp; English.
/ CC      The sequence is that of a secreted protein. Such a protein can have
/ CC      biological activities, e.g. nutritional activity, cytokine and cell
/ CC      proliferation/differentiation activity, immune stimulating or suppressing
/ CC      activity, haematopoiesis regulating activity, tissue growth activity,
/ CC      activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic
/ CC      and thrombolytic activity, receptor/ligand activity, anti-inflammatory
/ CC      activity, cadherin/tumour invasion suppressor activity, tumour inhibition
/ CC      activity, and other activities
/ XX
/ SQ      Sequence 222 AA;
/ ;
/ ; AAW29670 Length: 222 August 24, 2005 15:16 Type: P Check: 7368 ..
/ aaw29670

Query Match      97.1%; Score 1070; DB 1; Length 222;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 205; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

/ QY      1 MMLLFFLVTAIHAELCQPGAENAFKVRLSIRTLGDKAYAMDNEEYLFKAMVAFSMRK 60
/ DB      1 MMLLFFLVTAIHAELCQPGAENAFKVRLSIRTLGDKAYAMDNEEYLFKAMVAFSMRK 60
/ QY      61 VPRREATEISHVLNCVTVQRFVFWVTVDPSSKNHTLPAYEVQSAIRMNKRIINNAFFVND 120
/ DB      61 VPRREATEISHVLNCVTVQRFVFWVTVDPSSKNHTLPAYEVQSAIRMNKRIINNAFFVND 120
/ QY      121 QTELEFLKIPSTLAPPMDPSVPIMIIIFGVIFCIIVAIALLISGIWQRRRKKEPSEVD 180
/ DB      121 QTELEFLKIPSTLAPPMDPSVPIMIIIFGVIFCIIVAIALLISGIWQRRRKKEPSEVD 180
/ QY      181 DAEDKCEMMITITENGIPSDPLDMKGG 206
/ DB      181 DAEDKCEMMITITENGIPSDPLDMKGG 206

RESULT 12
aaw29670
/ TOIG of: aaw29670 check: 7368 from: 1 to: 222
/ ; ID      AAW29670 standard; protein: 222 AA.
/ ; AC      AAW29670;
/ ; DT      09-NOV-1998 (first entry)
/ ; DE      Homo sapiens clone AM42_3 secreted protein.
/ ; KM      Clone; secreted protein.
/ ; OS      Homo sapiens.

```

```

/ XX      Key      Location/Qualifiers
/ FH      Peptide      2..14
/ FT      /note= "signal peptide"
/ XX
/ XX      WO9832853-A2.
/ PN
/ XX      30-JUL-1998.
/ PD
/ XX
/ XX      23-JAN-1998; 98WO-US001396.
/ PF
/ XX      24-JAN-1997; 97US-00788789.
/ PR
/ XX      (GENY ) GENETICS INST INC.
/ PA
/ XX      Jacobs K, Mccoy JM, Lavallie ER, Racie LA, Merberg D, Treacy M;
/ PI      Spaulding V, Agostino MJ;
/ XX      WPI; 1998-427949/36.
/ DR      N-PSDB; AAV40540.
/ XX
/ PT      New isolated polynucleotide(s) and secreted proteins - isolated from
/ PT      human foetal kidney, adult brain, adult salivary gland, foetal brain and
/ PT      adult testes cDNA libraries.
/ XX
/ PS      Claim 15; Page 65-66; 109pp; English.
/ CC      The sequence is that of a secreted protein. Such a protein can have
/ CC      biological activities, e.g. nutritional activity, cytokine and cell
/ CC      proliferation/differentiation activity, immune stimulating or suppressing
/ CC      activity, haematopoiesis regulating activity, tissue growth activity,
/ CC      activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic
/ CC      and thrombolytic activity, receptor/ligand activity, anti-inflammatory
/ CC      activity, cadherin/tumour invasion suppressor activity, tumour inhibition
/ CC      activity, and other activities
/ XX
/ SQ      Sequence 222 AA;
/ ;
/ ; AAW29670 Length: 222 August 24, 2005 15:16 Type: P Check: 7368 ..
/ aaw29670

Query Match      97.1%; Score 1070; DB 1; Length 222;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 205; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

/ QY      1 MMLLFFLVTAIHAELCQPGAENAFKVRLSIRTLGDKAYAMDNEEYLFKAMVAFSMRK 60
/ DB      1 MMLLFFLVTAIHAELCQPGAENAFKVRLSIRTLGDKAYAMDNEEYLFKAMVAFSMRK 60
/ QY      61 VPRREATEISHVLNCVTVQRFVFWVTVDPSSKNHTLPAYEVQSAIRMNKRIINNAFFVND 120
/ DB      61 VPRREATEISHVLNCVTVQRFVFWVTVDPSSKNHTLPAYEVQSAIRMNKRIINNAFFVND 120
/ QY      121 QTELEFLKIPSTLAPPMDPSVPIMIIIFGVIFCIIVAIALLISGIWQRRRKKEPSEVD 180
/ DB      121 QTELEFLKIPSTLAPPMDPSVPIMIIIFGVIFCIIVAIALLISGIWQRRRKKEPSEVD 180
/ QY      181 DAEDKCEMMITITENGIPSDPLDMKGG 206
/ DB      181 DAEDKCEMMITITENGIPSDPLDMKGG 206

RESULT 13
adel1757
/ TOIG of: adel1757 check: 7448 from: 1 to: 222
/ ; ID      ADE11757 standard; protein: 222 AA.
/ ; AC      ADE11757;
/ ; DT      29-JAN-2004 (first entry)
/ ; DE      Human secreted polypeptide #12.

```



XX Secreted protein; cancer; liver disorder; hepatitis; neural disorder;  
KW Alzheimer's disease; human.  
XX  
XX Synthetic.  
OS Homo sapiens.  
XX  
XX US2003100051-A1.  
XX  
PD 29-MAY-2003.  
XX  
XX 10-SEP-2001; 2001US-00948783.  
XX  
PR 12-MAY-1998; 98US-0085093P.  
PR 12-MAY-1998; 98US-0085094P.  
PR 12-MAY-1998; 98US-0085105P.  
PR 12-MAY-1998; 98US-0085180P.  
PR 18-MAY-1998; 98US-0085906P.  
PR 18-MAY-1998; 98US-0085920P.  
PR 18-MAY-1998; 98US-0085921P.  
PR 18-MAY-1998; 98US-0085922P.  
PR 18-MAY-1998; 98US-0085923P.  
PR 18-MAY-1998; 98US-0085924P.  
PR 18-MAY-1998; 98US-0085925P.  
PR 18-MAY-1998; 98US-0085927P.  
PR 18-MAY-1998; 98US-0085928P.  
PR 06-MAY-1999; 99WO-US009847.  
PR 10-NOV-1999; 99US-00437658.  
PR 11-SEP-2000; 2000US-0231846P.  
PR 28-JUN-2001; 2001US-00892877.  
XX  
XX (RUBE/) RUBEN S M.  
PA (FLOR/) FLORENCE K A.  
PA (NIJ/) NI J.  
PA (ROSE/) ROSEN C A.  
PA (CART/) CARTER K C.  
PA (MOOR/) MOORE P A.  
PA (OLSE/) OLSEN H S.  
PA (SHIY/) SHI Y.  
PA (YOUN/) YOUNG P E.  
PA (WEIY/) WEI Y.  
PA (BREM/) BREMER L A.  
PA (SOPP/) SOPPET D R.  
PA (LAFLE/) LAFLEUR D W.  
PA (ENDR/) ENDRESS G A.  
PA (EBNE/) EBNER R.  
PA (BIRS/) BIRSE C E.  
XX  
PI Ruben SM, Florence KA, Ni J, Rosen CA, Carter KC, Moore PA;  
PI Olsen HS, Shi Y, Young PE, Wei Y, Brewer LA, Soppet DR, Lafleur DW;  
PI Endress GA, Ebner R, Birse CE;  
XX  
DR WPI; 2003-801210/75.  
XX  
XX New nucleic acid molecule, useful for preparing a medicament for  
XX preventing, treating or ameliorating a medical condition e.g. cancer,  
XX liver disorders or neural disorders.  
XX  
XX Claim 11; SEQ ID NO 129; 453bp; English.  
XX  
XX The invention relates to human secreted polypeptides and the  
XX polynucleotides encoding them. The sequences are useful for preparing  
XX medicaments for preventing, treating or ameliorating medical conditions  
XX e.g., cancer, liver disorders such as hepatitis or neural disorders such  
XX as Alzheimer's disease. This sequence represents a human secreted  
XX polypeptide of the invention.  
XX  
XX Sequence 222 AA;  
XX  
XX  
XX ADE11757 Length: 222 August 24, 2005 15:16 Type: P Check: 7448  
XX ADE11757  
Query Match 96.7%, Score 1066; DB 1; Length 222;

Best Local Similarity 99.5%; Pred. No. 0;  
Matches 205; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 1 MMLLFFLVTAIAELQCPAENAFKRLSIRFALGDKAFAAMPDNEEYLFKAVAPSMRK 60  
DB 1 MMLLFFLVTAIAHAELQCPAENAFKRLSIRFALGDKAFAAMPDNEEYLFKAVAPSMRK 60  
QY 61 VPKREATEISHVLLCNVTQGVSFVFTVTPDSKHTLPAAVEQSAIRKNNKRIINNAFFLND 120  
DB 61 VPKREATEISHVLLCNVTQGVSFVFTVTPDSKHTLPAAVEQSAIRKNNKRIINNAFFLNX 120  
QY 121 QTLEFLKIPSTLAPMPDPSVPIWIIIFGVIFCIIIVAIALLIISGIMORRRKKEPSEVD 180  
DB 121 QTLEFLKIPSTLAPMPDPSVPIWIIIFGVIFCIIIVAIALLIISGIMORRRKKEPSEVD 180  
QY 181 DAEDKCEMTTENGIPSDPLDMKGG 206  
DB 181 DAEDKCEMTTENGIPSDPLDMKGG 206  
RESULT 14  
ADE11757  
ID of: ADE11757 check: 7448 from: 1 to: 222  
ID ADE11757 standard; protein; 222 AA.  
XX  
XX ADE11757;  
XX  
XX 29-JAN-2004 (first entry)  
XX  
XX  
XX Human secreted polypeptide #12.  
XX  
XX  
XX Secreted protein; cancer; liver disorder; hepatitis; neural disorder;  
KW Alzheimer's disease; human.  
XX  
XX Synthetic.  
OS Homo sapiens.  
XX  
XX US2003100051-A1.  
XX  
XX  
XX 29-MAY-2003.  
XX  
XX  
XX 10-SEP-2001; 2001US-00948783.  
XX  
XX  
XX 12-MAY-1998; 98US-0085093P.  
XX 12-MAY-1998; 98US-0085094P.  
XX 12-MAY-1998; 98US-0085105P.  
XX 12-MAY-1998; 98US-0085180P.  
XX 18-MAY-1998; 98US-0085906P.  
XX 18-MAY-1998; 98US-0085920P.  
XX 18-MAY-1998; 98US-0085921P.  
XX 18-MAY-1998; 98US-0085922P.  
XX 18-MAY-1998; 98US-0085923P.  
XX 18-MAY-1998; 98US-0085924P.  
XX 18-MAY-1998; 98US-0085925P.  
XX 18-MAY-1998; 98US-0085927P.  
XX 18-MAY-1998; 98US-0085928P.  
XX 06-MAY-1999; 99WO-US009847.  
XX 10-NOV-1999; 99US-00437658.  
XX 11-SEP-2000; 2000US-0231846P.  
XX 28-JUN-2001; 2001US-00892877.  
XX  
XX  
XX (RUBE/) RUBEN S M.  
XX (FLOR/) FLORENCE K A.  
XX (NIJ/) NI J.  
XX (ROSE/) ROSEN C A.  
XX (CART/) CARTER K C.  
XX (MOOR/) MOORE P A.  
XX (OLSE/) OLSEN H S.  
XX (SHIY/) SHI Y.  
XX (YOUN/) YOUNG P E.  
XX (WEIY/) WEI Y.  
XX (BREM/) BREMER L A.



OY 181 DAEDKCNMTIENGIPSDPLDMKGG 206  
 ||||||||||||||||||||  
 Db 181 DAEDKCNMTIENGIPSDPLDMKGG 206

RESULT 16  
 aay76135  
 ; TOIG of: aay76135 check: 2024 from: 1 to: 223

; ID AAY76135 standard; protein; 223 AA.  
 ; XX  
 ; AC AAY76135;  
 ; XX  
 ; DT 23-MAR-2000 (first entry)  
 ; XX  
 ; DE Human secreted protein encoded by gene 12.  
 ; XX  
 ; KW Human; secreted protein; cancer; tumour; developmental abnormality;  
 ; KW foetal deficiency; blood disorder; immune system disorder; inflammation;  
 ; KW autoimmune disease; allergy; Alzheimer's disease; cognitive disorder;  
 ; KW schizophrenia; arthritis; asthma; psoriasis; sepsis; skin disorder;  
 ; KW atherosclerosis; diabetes; cardiovascular disorder; kidney disorder;  
 ; KW digestive disorder; endocrine disorder; infection; AIDS; leukaemia;  
 ; KW therapy.  
 ; XX  
 ; OS Homo sapiens.  
 ; XX  
 ; PN WO9958660-A1.  
 ; XX  
 ; PD 18-NOV-1999.  
 ; XX  
 ; PF 06-MAY-1999; 99WO-US009847.  
 ; XX  
 ; PR 12-MAY-1998; 98US-0085093P.  
 ; PR 12-MAY-1998; 98US-0085094P.  
 ; PR 12-MAY-1998; 98US-0085105P.  
 ; PR 12-MAY-1998; 98US-0085180P.  
 ; PR 18-MAY-1998; 98US-0085906P.  
 ; PR 18-MAY-1998; 98US-0085920P.  
 ; PR 18-MAY-1998; 98US-0085921P.  
 ; PR 18-MAY-1998; 98US-0085922P.  
 ; PR 18-MAY-1998; 98US-0085923P.  
 ; PR 18-MAY-1998; 98US-0085924P.  
 ; PR 18-MAY-1998; 98US-0085925P.  
 ; PR 18-MAY-1998; 98US-0085927P.  
 ; PR 18-MAY-1998; 98US-0085928P.  
 ; XX  
 ; PA (HUMA-) HUMAN GENOME SCI INC.  
 ; XX  
 ; PI Ruben SM, Florence K, Ni J, Rosen CA, Carter KC, Moore PA;  
 ; PI Olsen HS, Shi Y, Young PE, Wei F, Brewer LA, Soppet DR, Lafleur DW;  
 ; PI Endress GA, Ebner R;  
 ; XX  
 ; DR N-PSDB; AA65261.  
 ; XX  
 ; WPI: 2000-062296/05.  
 ; PT New isolated human genes and the secreted polypeptides they encode,  
 ; PT useful for diagnosis and treatment of e.g. cancers, neurological  
 ; PT disorders, immune diseases, inflammation or blood disorders.  
 ; XX  
 ; PS Claim 11; Page 365-366; 475pp; English.  
 ; XX  
 ; CC AA65250 to AA65350 represent 97 isolated human secreted protein genes.  
 ; CC AAY76124 to AAY76223 represent the secreted proteins encoded by the 97  
 ; CC human genes. The genes and their corresponding secreted polypeptides are  
 ; CC useful for preventing, treating or ameliorating medical conditions, e.g.  
 ; CC by protein or gene therapy. Also pathological conditions can be diagnosed  
 ; CC by determining the amount of the new polypeptides in a sample or by  
 ; CC determining the presence of mutations in the new genes. Specific uses are  
 ; CC described for each of the 97 genes, based on which tissues they are most  
 ; CC highly expressed in, and include developing products for the diagnosis or  
 ; CC treatment of cancer, tumours, developmental abnormalities and foetal

; CC deficiencies, blood disorders, diseases of the immune system, autoimmune  
 ; CC diseases, inflammation, allergies, Alzheimer's and cognitive disorders,  
 ; CC schizophrenia, arthritis, asthma, psoriasis, sepsis, skin disorders,  
 ; CC atherosclerosis, diabetes, cardiovascular disorders, kidney disorders,  
 ; CC digestive/endocrine disorders, infections and AIDS. The polypeptides are  
 ; CC also useful for identifying their binding partners. The sequences shown  
 ; CC in AAY76224 to AAY76424 represent fragments of the secreted proteins

; SQ Sequence 223 AA;  
 ; AAY76135 Length: 223 August 24, 2005 15:16 Type: P Check: 2024 ..  
 aay76135

Query Match 96.7%; Score 1066; DB 1; Length 223;  
 Best Local Similarity 99.5%; Pred. No. 0;  
 Matches 205; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 MLWLFLVTAIAHAEIQGAEAFKVRISIRTAIDGKAYAWDTNBEYLFKAWAFSRRK 60  
 |||||||||||||||||||  
 Db 1 MLWLFLVTAIAHAEIQGAEAFKVRISIRTAIDGKAYAWDTNBEYLFKAWAFSRRK 60

OY 61 VPRREAREISHVULCNVTQVSWFVYVTPDSKXHTLPAYVQSAIRNKKRINNAPFLND 120  
 |||||||||||||||||||  
 Db 61 VPRREAREISHVULCNVTQVSWFVYVTPDSKXHTLPAYVQSAIRNKKRINNAPFLNX 120

OY 121 QTLERFLKIPSTLAPMDPSVPIWIIIFGVIFCIIVAIALLIISGIWQRKKKEPSEVD 180  
 |||||||||||||||||||  
 Db 121 QTLERFLKIPSTLAPMDPSVPIWIIIFGVIFCIIVAIALLIISGIWQRKKKEPSEVD 180

OY 181 DAEDKCNMTIENGIPSDPLDMKGG 206  
 ||||||||||||||||||||  
 Db 181 DAEDKCNMTIENGIPSDPLDMKGG 206

RESULT 17  
 aay04156  
 ; TOIG of: aay04156 check: 8448 from: 1 to: 222

; ID AAY04156 standard; protein; 222 AA.  
 ; XX  
 ; AC AAY04156;  
 ; XX  
 ; DT 16-JUN-1999 (first entry)  
 ; XX  
 ; DE Human 5' EST secreted protein SEQ ID NO:27.  
 ; XX  
 ; KW Human; secreted protein; EST; expressed sequence tag; diagnosis;  
 ; KW forensic; gene therapy; chromosome mapping; signal peptide;  
 ; KW upstream regulatory sequence; cytokine activity; cell proliferation;  
 ; KW differentiation; haematopoiesis regulation; tissue growth regulation;  
 ; KW reproductive hormone regulation; chemotactic; chemokinetic; haemostatic;  
 ; KW chromolytic; anti-inflammatory; tumour inhibition.  
 ; XX  
 ; OS Homo sapiens.  
 ; XX  
 ; PN WO9906439-A2.  
 ; XX  
 ; PD 11-FEB-1999.  
 ; XX  
 ; PF 31-JUL-1998; 98WO-IB001233.  
 ; XX  
 ; PR 01-AUG-1997; 97US-00904468.  
 ; XX  
 ; PA (GENST ) GENSET.  
 ; XX  
 ; PI Dumas Milne Edwards J, Duclet A, Lacroix B;  
 ; PI N-PSDB; AAX19983.  
 ; XX  
 ; WPI: 1999-153700/13.  
 ; PT New nucleic acids encoding human secreted proteins - obtained from cDNA  
 ; PT libraries derived from liver, lung, large intestine, colon, thyroid and  
 ; PT pancreas tissue.

```

; XX      Example 28; Page 157-158; 398pp; English.
; PS
; CC      AAX40251 to AAX40397 represent 5' expressed sequence tags (ESTs) for
; CC      human secreted proteins, and encode the proteins given in AAY11533 to
; CC      AAY11679, respectively. The proteins given represent the signal peptide
; CC      and an N-terminal fragment of a secreted protein. The nucleic acid
; CC      sequences can be used for producing secreted human gene products. They
; CC      can also be used to develop products for diagnosis and therapy. The
; CC      proteins obtained may have cytokine activity, cell
; CC      proliferation/differentiation activity, haematopoiesis regulating
; CC      activity, tissue growth regulating activity, reproductive hormone
; CC      regulating activity, chemotactic/chemokinetic activity, haemostatic and
; CC      thrombolytic activity, receptor/ligand activity, anti-inflammatory
; CC      activity, tumour inhibition activity or other activities. The products
; CC      can be used in forensic, gene therapy and chromosome mapping procedures.
; CC      The sequences can also be used for obtaining corresponding promoter
; CC      sequences. The nucleic acids encoding the signal peptide can be used for
; CC      directing extracellular secretion of a polypeptide or the insertion of a
; CC      polypeptide into a membrane, or importing a polypeptide into a cell. The
; CC      present sequence represents the protein from a 5' EST from an example of
; CC      the present invention
; CC
; XX      Sequence 222 AA:
; SQ
; AAY04156 Length: 222 August 24, 2005 15:17 Type: P Check: 8448 ..
aay04156
Query Match      95.1%; Score 1048; DB 1; Length 222;
Best Local Similarity 98.1%; Pred. No. 0;
Matches 202; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
;
QY      1 MMLLFFLVTAIHAELICQGAENAFKVRISIRTLGDKAYADTNEEYLFKAMVAFSMRK 60
DB      1 MMLLFFLVTAIHAELICQGAENAFKVRISIRTLGDKAYADTNEEYLFKAMVAFSMRK 60
;
QY      61 VPRREATEISHVLLCNVTVQVSFWFVTVDPDSKNHTLPAYEVOSAIRMNKRNINNAFFLND 120
DB      61 VPRREATEISHVLLCNVTVQVSFWFVTVDPDSKNHTLPAYEVOSAIRMNKRNINNAFFLND 120
;
QY      121 QTLLEFLKIPSTLAPMPDPSVPIMIIIFGVIFCIITVAIALLLISGIWQRNRKKEPSEVD 180
DB      121 QTLLEFLKIPSTLAPMPDPSVPIMIIIFGVIFCIITVAIALLLISGIWQRNRKKEPSEVD 180
;
QY      181 DAEDKCEMMITTENGIPSPDPLDMKGG 206
DB      181 DAEDKCEMMITTENGIPSPDPLDMKGG 206
;
RESULT 18
aay04156
; TOIG of: aay04156 check: 8448 from: 1 to: 222
; ID      AAY04156 standard; protein: 222 AA.
; XX
; AC      AAY04156;
; DT      16-JUN-1999 (first entry)
; XX
; DE      Human 5' EST secreted protein SEQ ID NO:27.
; XX
; KW      Human; secreted protein; EST; expressed sequence tag; diagnosis;
; KW      forensic; gene therapy; chromosome mapping; signal peptide;
; KW      upstream regulatory sequence; cytokine activity; cell proliferation;
; KW      differentiation; haematopoiesis regulation; tissue growth regulation;
; KW      reproductive hormone regulation; chemotactic; chemokinetic; haemostatic;
; KW      thrombolytic; anti-inflammatory; tumour inhibition.
; XX
; OS      Homo sapiens.
; XX
; PN      W09906439-A2.
; XX
; PD      11-FEB-1999.

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; XX      Example 28; Page 157-158; 398pp; English.
; PS
; CC      AAX40251 to AAX40397 represent 5' expressed sequence tags (ESTs) for
; CC      human secreted proteins, and encode the proteins given in AAY11533 to
; CC      AAY11679, respectively. The proteins given represent the signal peptide
; CC      and an N-terminal fragment of a secreted protein. The nucleic acid
; CC      sequences can be used for producing secreted human gene products. They
; CC      can also be used to develop products for diagnosis and therapy. The
; CC      proteins obtained may have cytokine activity, cell
; CC      proliferation/differentiation activity, haematopoiesis regulating
; CC      activity, tissue growth regulating activity, reproductive hormone
; CC      regulating activity, chemotactic/chemokinetic activity, haemostatic and
; CC      thrombolytic activity, receptor/ligand activity, anti-inflammatory
; CC      activity, tumour inhibition activity or other activities. The products
; CC      can be used in forensic, gene therapy and chromosome mapping procedures.
; CC      The sequences can also be used for obtaining corresponding promoter
; CC      sequences. The nucleic acids encoding the signal peptide can be used for
; CC      directing extracellular secretion of a polypeptide or the insertion of a
; CC      polypeptide into a membrane, or importing a polypeptide into a cell. The
; CC      present sequence represents the protein from a 5' EST from an example of
; CC      the present invention
; CC
; XX      Sequence 222 AA:
; SQ
; AAY04156 Length: 222 August 24, 2005 15:17 Type: P Check: 8448 ..
aay04156
Query Match      95.1%; Score 1048; DB 1; Length 222;
Best Local Similarity 98.1%; Pred. No. 0;
Matches 202; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
;
QY      1 MMLLFFLVTAIHAELICQGAENAFKVRISIRTLGDKAYADTNEEYLFKAMVAFSMRK 60
DB      1 MMLLFFLVTAIHAELICQGAENAFKVRISIRTLGDKAYADTNEEYLFKAMVAFSMRK 60
;
QY      61 VPRREATEISHVLLCNVTVQVSFWFVTVDPDSKNHTLPAYEVOSAIRMNKRNINNAFFLND 120
DB      61 VPRREATEISHVLLCNVTVQVSFWFVTVDPDSKNHTLPAYEVOSAIRMNKRNINNAFFLND 120
;
QY      121 QTLLEFLKIPSTLAPMPDPSVPIMIIIFGVIFCIITVAIALLLISGIWQRNRKKEPSEVD 180
DB      121 QTLLEFLKIPSTLAPMPDPSVPIMIIIFGVIFCIITVAIALLLISGIWQRNRKKEPSEVD 180
;
QY      181 DAEDKCEMMITTENGIPSPDPLDMKGG 206
DB      181 DAEDKCEMMITTENGIPSPDPLDMKGG 206
;
RESULT 19
aay04156
; TOIG of: aay04156 check: 9351 from: 1 to: 148
; ID      AAB88580 GB:M93437 cytochrome c-552; CYCA; hemeprotein [Thermus thermophilus]
; XX      (ver 1)
; XX
; PN      AAB88580 Length: 148 August 24, 2005 15:14 Type: P Check: 9351 ..
; PD      aab88580

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Query Match 2.9%, Score 31.5; DB 1; Length 148;  
Best Local Similarity 28.9%; Pred. No. 0;  
Matches 11; Conservative 6; Mismatches 20; Indels 1; Gaps 1;

QY 31 IRTALGDKAYAM-DTNEEYLFKAMVAFSMRKVPNREAT 67  
| | | | | : | | | : : : |  
97 IAAVLNHIATAMGDACKVKGFKPPTAEVEVKLRAKCLT 134

RESULT 20  
aab88580

; TOIG of: aab88580 check: 9351 from: 1 to: 148

; AAB88580 GB:M93437 cytochrome c-552; Cyca; hemeprotein [Thermus thermophilus]  
; (ver 1)

; AAB88580 Length: 148 August 24, 2005 15:14 Type: P Check: 9351 ..  
aab88580

Query Match 2.9%; Score 31.5; DB 1; Length 148;  
Best Local Similarity 28.9%; Pred. No. 0;  
Matches 11; Conservative 6; Mismatches 20; Indels 1; Gaps 1;

QY 31 IRTALGDKAYAM-DTNEEYLFKAMVAFSMRKVPNREAT 67  
| | | | | : | | | : : : |  
97 IAAVLNHIATAMGDACKVKGFKPPTAEVEVKLRAKCLT 134

Search completed: August 24, 2005, 15:27:56  
Job time : 0.001 secs

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